

Influence of multilayer coatings on the operational stability of molds for injection molding

Pankratov D., Gavariev R., Gavarieva K.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The article examines the main factors affecting the operational stability of molds for injection molding of non-ferrous metals and zinc alloys in particular, and also provides a specific method to increase the index of resistance of molds by coating the molding surface by cathode- ion bombardment. It describes the effect of the proposed coatings on the parameters of pressure, tension and heat in a mold.

<http://dx.doi.org/10.1088/1757-899X/134/1/012031>
